##Grinding of	/A ] Hard Alloys",	Stanki I In	strument,	14, No. 4	-5, 154.	3.	 *
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\$/123/60/000/012/004/006 A004/A001

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1960, No. 12, p. 124, # 61327

AUTHOR:

Kizel shteyn, V. Ya.

TITLE:

A Chemical-Mechanical Method of Metal Machining'

PERIODICAL: V sb.: Elektr. i ul'trazvuk, metody obrabotki materialov. Leningrad, Lenisdat, 1958, pp. 150-175

TEXT: An account is given of the practice of applying a chemicalmechanical method of lapping steel and grinding hard alloys. An increase in
efficiency with this method is attained on account of using corrosion processes.
Chemical-mechanical lapping is achieved by using a paste containing surface
active substances (sulfur, stearin, oleic acid), by which oxide films are formed,
which are uninterruptedly removed from the machined surface. The machine tool
used for this operation consists of a bed with face-plate, driving mechanism,
glass polishing disk and appliances for the application of the paste and removal
of the products of wear. The chemical-mechanical grinding of hard alloys is

Card 1/2

82661

A Chemical-Mechanical Method of Metal Machining

S/123/60/000/012/004/006 A004/A001

effected with the aid of an electrolyte under the effect of which corrosion processes weaken the structure of the surface layer and make it possible to increase the grinding intensity. The corrosion processes arise owing to the surface heterogeneity of the hard alloy in electrochemical respect (the grains of tungsten carbide are electropositive centers, while the cobalt regions are electronegative). The machine toolufor the grinding of hard-alloy bits is a tub, on the bottom of which the gribder is placed. Tub and grinder are set in rotation by an electromotor with the aid of a belt drive. The tub is filled with a copper sulfate solution to which an abrasive powder is added. The author describes the lapping and grinding conditions and states examples. There are

B. I. M.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

SON/3033

PHASE I BOOK EXPLOITATION

Kisel'shteyn, V. Ya.

5(2)

Primenentye khimit v obrabotke metallov (Application of Charletry in Metal Finishing) [Leningrad] Lenizdat, 1959. 174 p. 3,000 copies printed.

Scientific Ed.: I. G. Kommachev; Ed.: Ye. V. Yemel'yanova; Tech. Ed.: P. S. Smirnov.

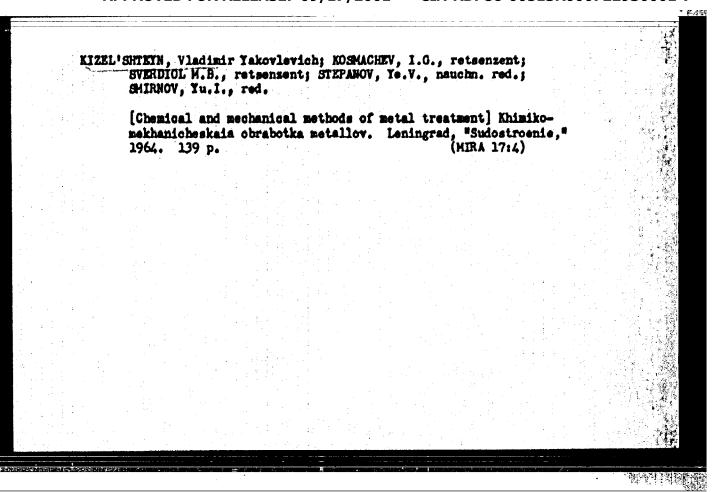
PURPOSE: This book is intended for workers and engineers in machine manufacturing plants and institutes.

COVERAGE: The author describes the chemical media used in the mechanical finishing of metals, alloys, and tools. He also explains the various processes of finishing metals by chemicomechanical methods used in the Barter Baion, and presents diagrams of equipment employed in the processes. No personalities are mentioned. There are 23 references: 20 Soviet and 3 English.

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Ch. II. Application of Chemical Methods to Finish: 6. Pastes for finishing of metals 7. Polishing machines and wheels 8. Equipment for lapping parts 9. Controlling the accuracy of lapped surfaces 10. Repairing lathes with the aid of pastes 11. Chemical milling 12. Preparing microsections	32 35 ing of Hetala 40 40 62 76 95 101 106	



ACC NR. AH6027413 Honograph UR/ Kizel'shteyn, Vladimir YAkovlevich Chemistry in metal treatment (Khimiya v obrabotke metallov) [teningrad] Lenizdat, 1966 | illus., biblio. Errata slip inserted. 5000 copies printed. TOPIC TAGS: electrolyte, sulfur, chemistry, chemical mechanics, metal polishing, metal machining, metal stamping, electrochemistry PURPOSE AND COVERAGE: This book is intended for engineers, technicians and workmen of machine-building organizations. The book outlines the role of chemistry in metal working processes, and reviews specific features, advantages and disadvantages of chemical methods. Practices used in chemical treatment of metals are summerized. TABLE OF CONTENTS: Foreword -- 3 . Ch. I. Chemistry in metal working processes -- 5 1. Development of chemical methods -- 6 2. Importance of corrosion phenomena in metal working -- 23

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ACC NR: AM6027413

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4. Metal working with the use of electrolyte and pastes -- 45

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8. Polishing of microsections -- 89

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9. Chemical milling, stamping, grinding -- 100

10. Electrochemical grinding -- 110

11. Electrochemical machining -- 133

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SUB CODE: 13,07/ SUBN DATE: OlMar66/ ORIG REF: 020/ OTH REF: 004
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ZINCHENKO, Ie.D.; KIZENKO, A.F.

Pulveriser system for washing the filtration cake in vacuum filters.
Sakh.prom. 37 no.7657-59 Jl '63. (MIRA 16:7)

1. L'govskiy sakharnyy savod.
(Filters and filtration)
(Sugar manufacture)

KIZENKO, L.M. [Kysenko, L.M.]; KOZLOVA, G.F. [Kozlova, H.P.] Use of the universal RLU and RZh refractometer in determining the fat content of corn meal. Khar. prom. no.1:23-24 Ja-Mr 165. (MIRA 18:4)

MEGGRITSKAYA, J.F. [Druhobyts'ka, J.F.]; KIZERYO, L.M.; SKR WHIK, G.S. [Jury.cyk, H.S.]

Modified methodology for determining aromatic substances in bread.

Khar. prom. no.3133-34. J1-3 '65. (MIRA 18:9)

KIZELVAL Tan, D. V.

agents on the rate of rise of air bubbles in flotation pulp", Nauch.-inform. byulleten' (Vsesoyuz. nauch,-issled. i proyekt. in-t mekhan. obrabotki poleznykh iskopayemykh), 1948, No. 2, p. 14-18.

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

KIZEVALITER, B. V.

USSR/Engineering - Ore Dressing Flotation

Mar 50

"The Effect of the Frothing Agent on the Air Content in Plotation Pulp," O. S. Bogdanov, B. V. Kizeval'ter, S. G. Maslova, Sci Res Inst of Mech Treatment of Ores, 52 pp

"Is Ak Nauk SSER, Otdel Tekh Nauk" No 3 9.4/2-4/5

Describes experiments on subject and concludes frothing agent has definite influence on magnitude of air concentration in pulp by decreasing floating speed of bubbles and preventing their coalescence.

158742

KIZEVAL TER, B. V.

"Theoretical and Experimental Investigation of the Jigging of Pine Material." Cand Tech Sci, Loningrad Mining Inst, Loningrad, 1954. (KZhMekh, Peb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

Pletation rate equations. Toyet.met. 27 no.4:6-10 Jl-4g '54.

(NIEA 10:10)

1. Nauchno-isoledevatil'sky institut mekhanicheskoy obrabotki
polahnykh iskopayawekh.

(Flotation)

About the article "Kinetic equations of the flotation process".

75 ret.met.29 no.6:83 Jo.56. (NGA 919)

SOV/137-59-2-2764

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 2, p 68 (USSR)

AUTHOR: Kizeval'ter, B. V.

TITLE: Research Work of the Mekhanobr Institute (Scientific Research Institute

for Mechanical Concentration of Minerals) on Gravitational Concentra-

tion Processes (Issledovatel'skiye raboty instituta Mekhanobr v

oblasti gravitatsionnykh protsessov obogashcheniya)

PERIODICAL: Obogashcheniye rud, 1957 Nr 5, pp 16-19

ABSTRACT: A brief survey of works carried out by the Institute during the period

from 1917 to 1957.

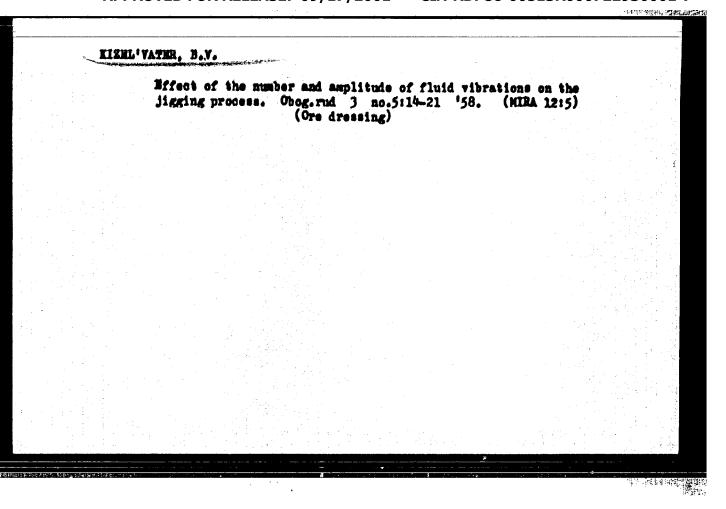
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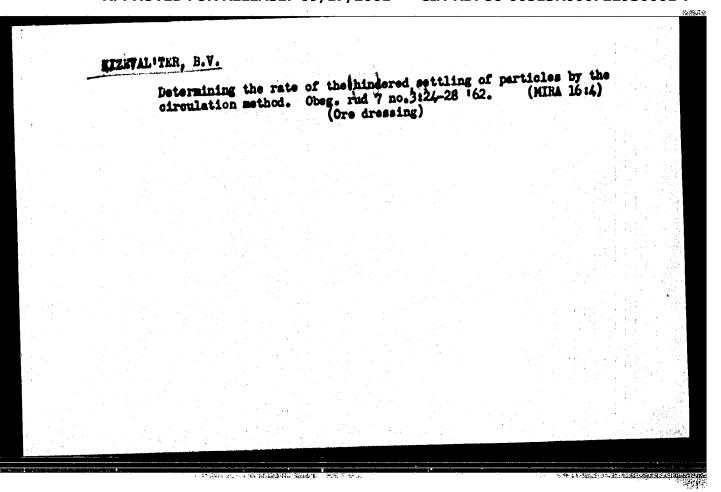
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Card 1/1

Lossening the layer of particles in the jigging process. Gor. shur.
no.3161-67 Mr 157.

1. Mekhanobr.
(Ore dressing)





Comparative characteristics of Bills Talectule volcanic complexes in the destart Causaus. Biul. 1903. Old. gool. 39 no.4:114-129 dieg led. (MRA 17:10)

## KIZEVAL'TER, D.S.

Discovery of Lower Carboniferous conglomerates in the Northern Caucasus. Dokl. AN SSSR 156 no.6:1343-1346 Je 164. (MIRA 17:8)

1. Hoskovskiy geologorasvedochnyy institut imeni Ordzhonikidse. Predstavleno akademikom A.L. Yanshiym.

VISOTSKIY, B.P.; REZANOV, I.A.; KIZEVAL'TER, D.S.

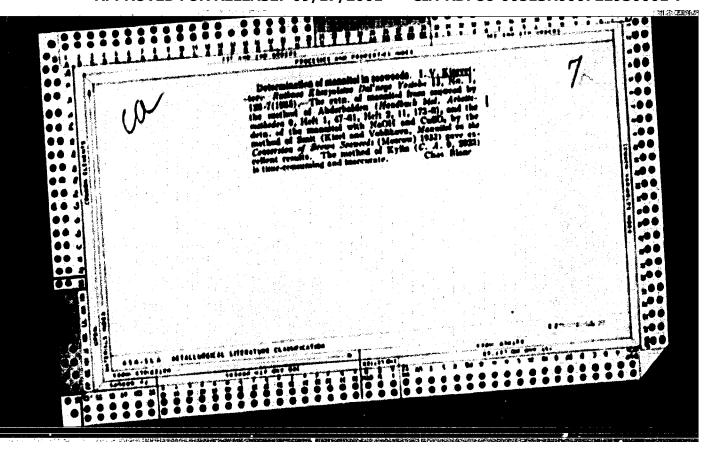
Reviews and discussions. Isv. AN SSSR. Ser.Geol. 30 no.4:130-146 (MIRA 18:4) Ap 165.

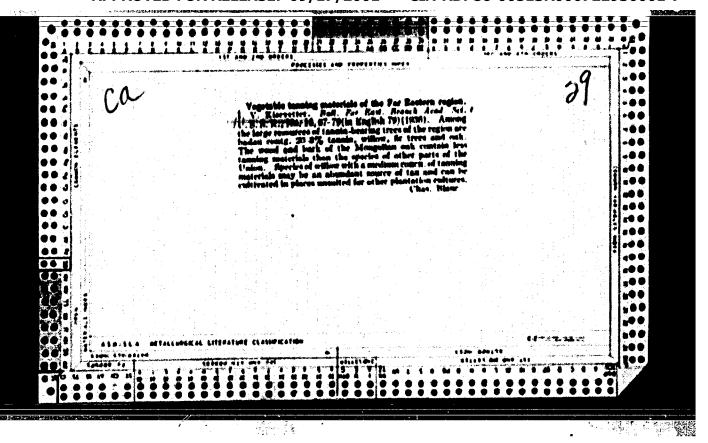
- 1. Geologicheskiy institut AN SSSR, Hoskva (for Vysotskiy).
  2. Institut fiziki Zemli AN SSSR, Hoskva (for Rezanov).
  3. Geologorazvedochnyy institut im. S.Ordshonikidze, Moskva (for Kizeval'ter).

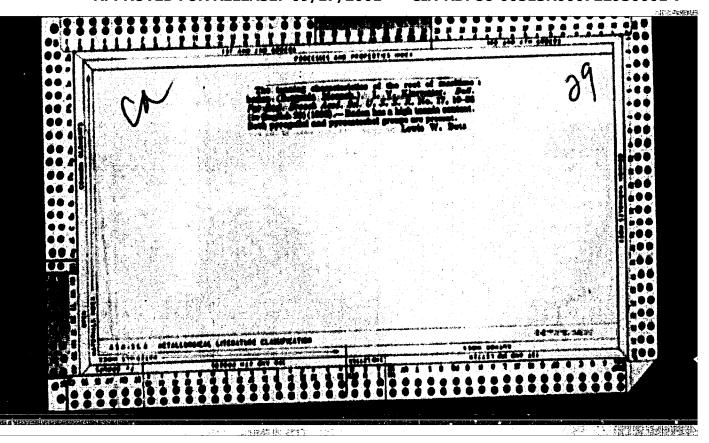
# Age of the Karachay series (northern Caucasus). Sov. geol. 8 no.8:146-151 Ag '65. (MIRA 18:10) 1. Moskovskiy geologorasvedochnyy institut im. 8.Ordshonikidse.

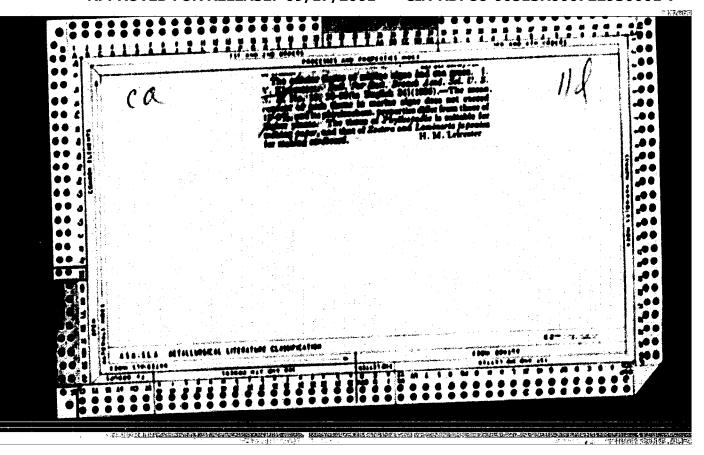
SYROMIATRIKOVA, Mariya Grigor'yevna; KIZEVETTER, I.B., otv.red.

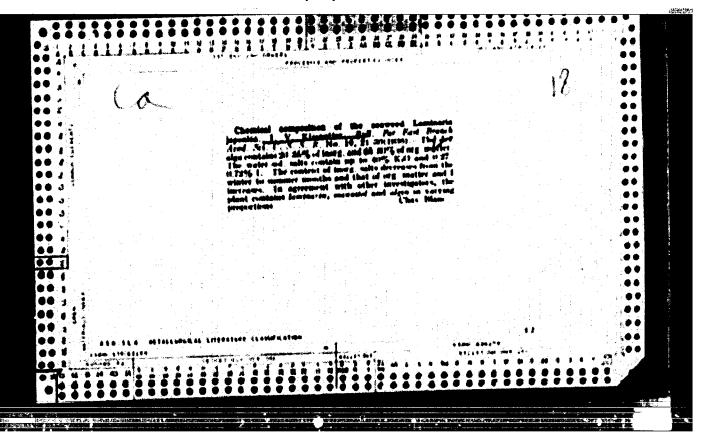
[Methods of microbiological and sanitary study of fishery products] Metody mikrobiologicheskikh i sanitarnykh issledovanii rybnykh produktov. Vladivostok, Dal'ne-vostochnoe knishnoe isd-vo, 1964. 199 p. (MIRA 18:12)

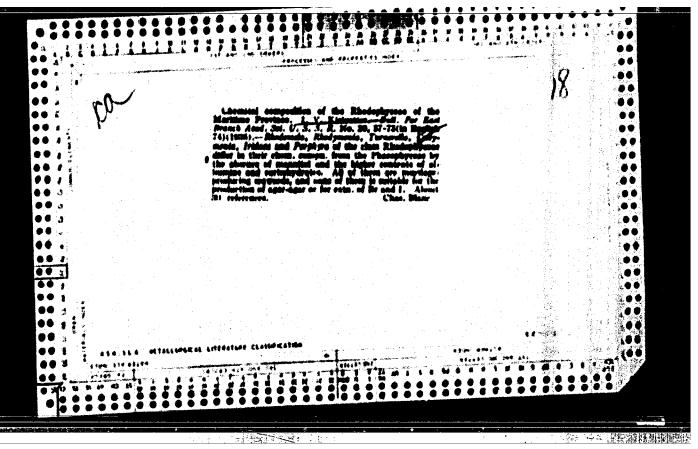


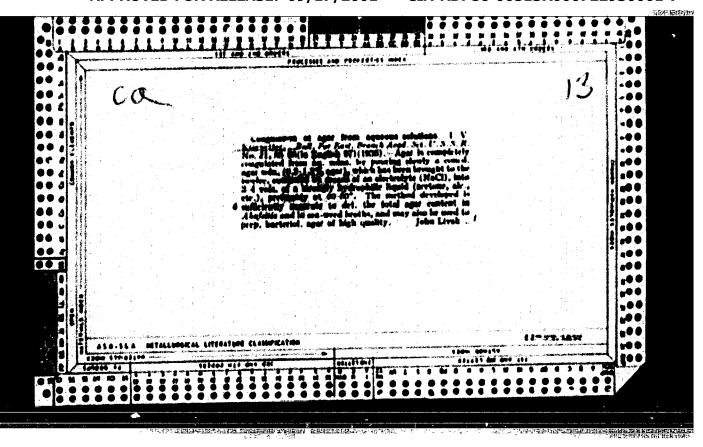


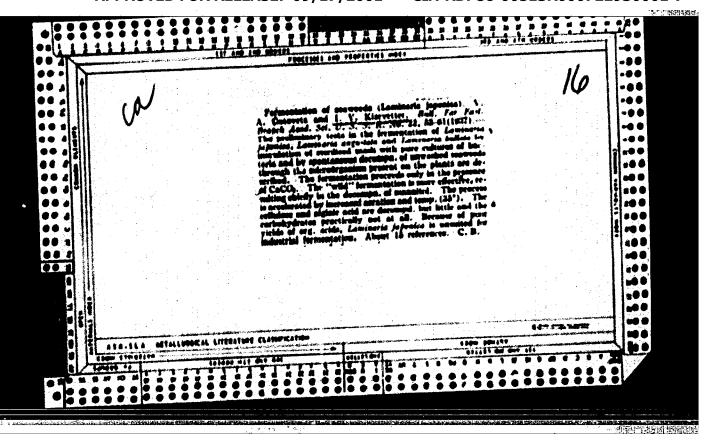


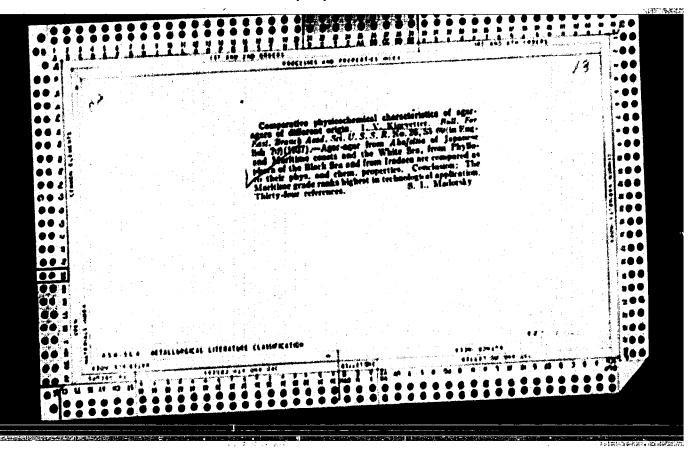


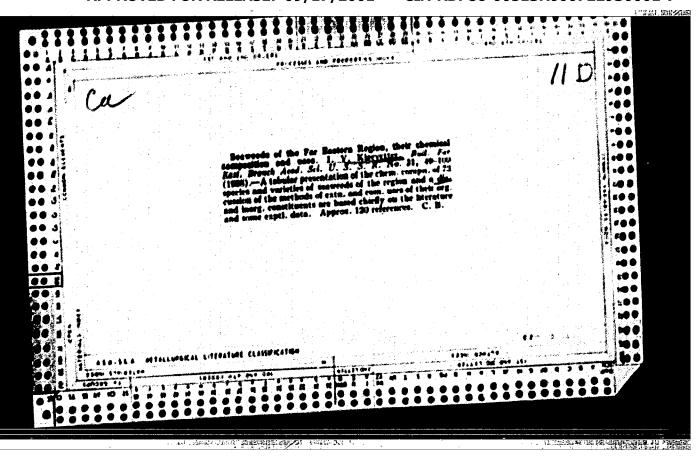


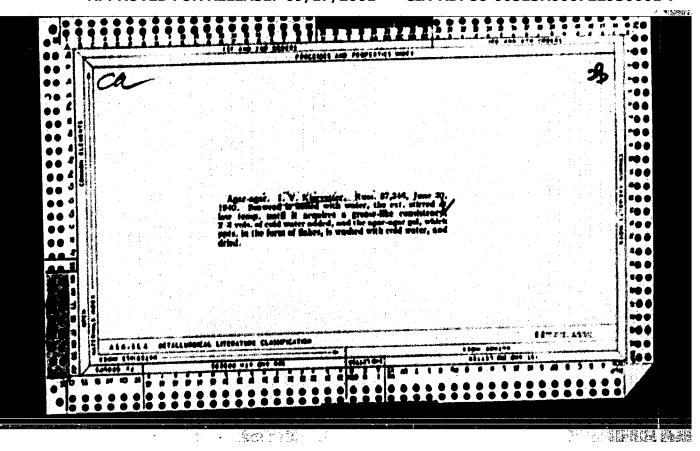


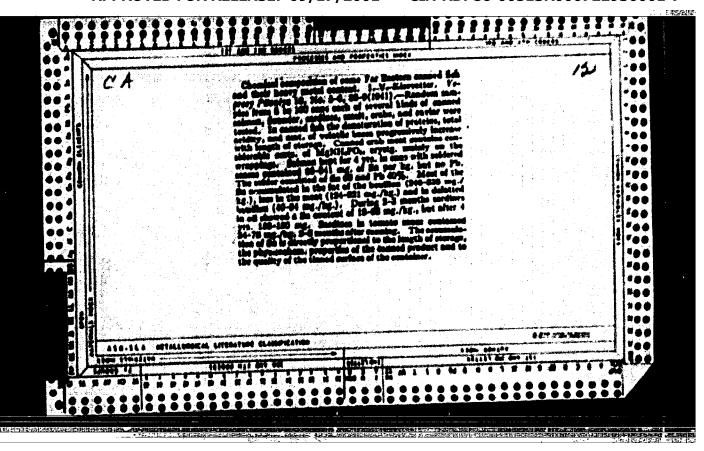


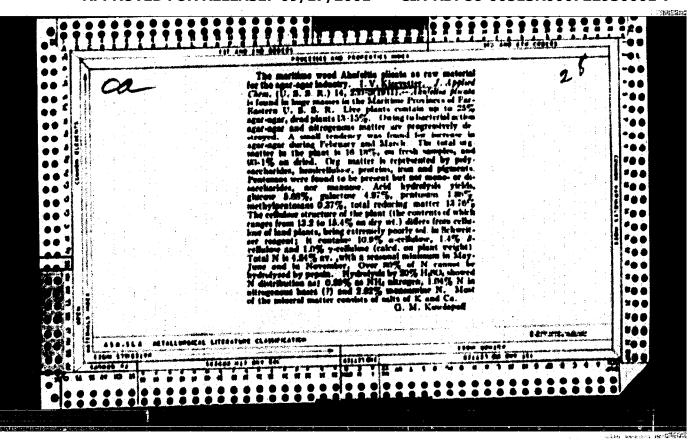






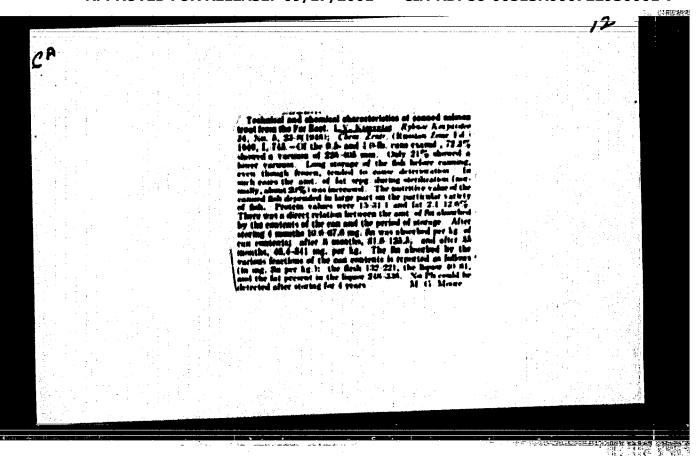


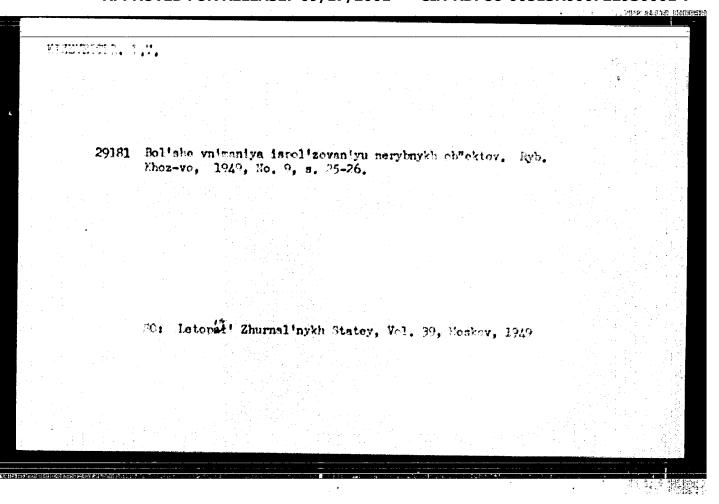




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So: 1C, Soviet Geography, Part II, 1951/Unclassified.

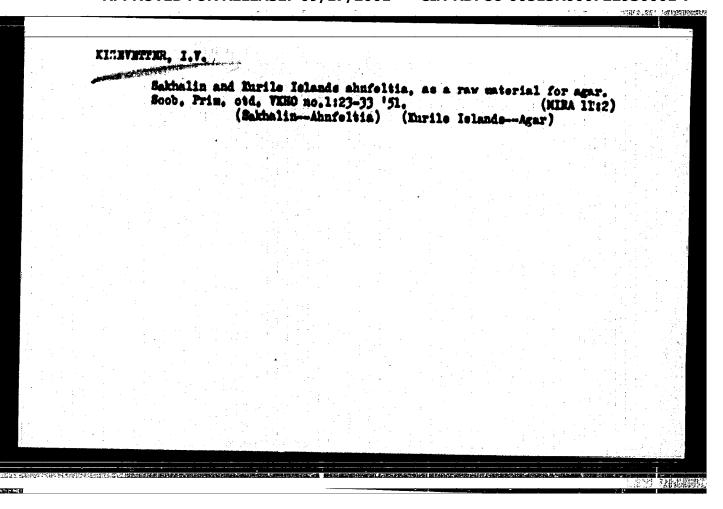




KIZEVEITER, I. 7.

Kizeveiter, I. V. - "The technological characteristics of 'mintay'", Izvestiya Tikhookean. nauch.-issled. in-ta ryb. khoz-va i okeanografii, Vol. IXIX, 1919, p. 67-78.

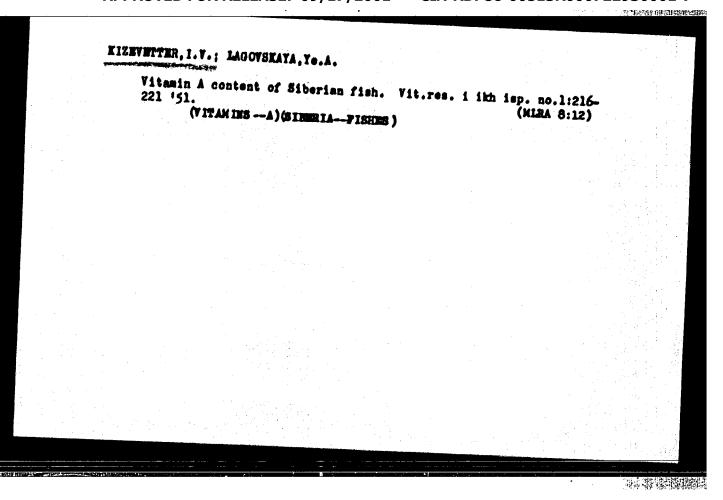
So: U-L110, 17 July 53, (letopis 'Zhurnal 'nykh Statey; No. 17, 1719).

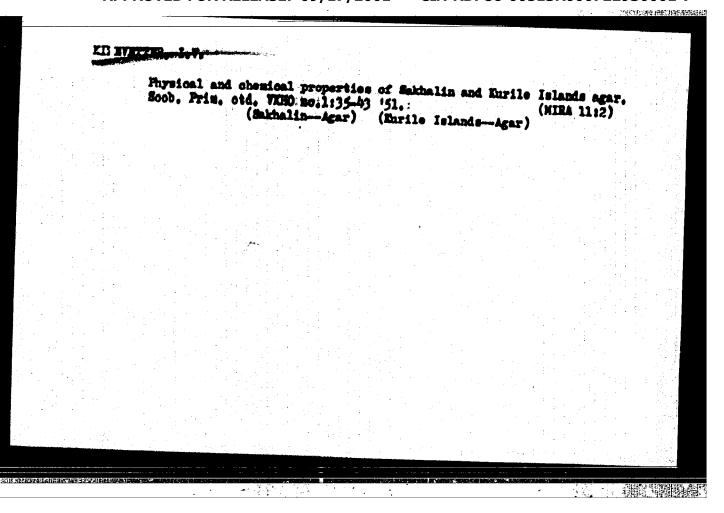


## KIZHVETTER, I.V.: LAGOVSKAYA, Ye.A.

Vitamin A content of fishes of the Far Hast. Vit.res. i ikh isp. no.1:71-138 '51.

(FAR HAST--FISHES) (VITAMINS--A)





Fishery Products-Proservation

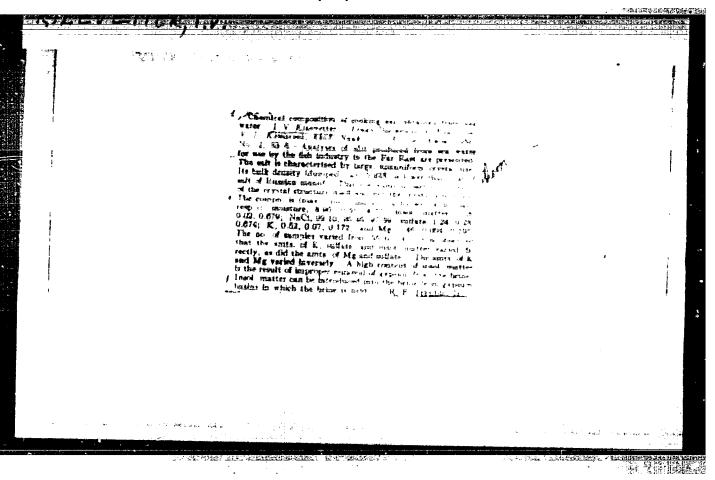
Urgent tasks in the modernization of salmon-canning industry. Ryb. khoz. 28, no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, AUGUAT 1952, 1953, Unclassified.

KIZEVETTER, I. V.		
Zhiry morskikh miskopi 1953. 104 p	teiushchikh Fats of marine mannels7. Vladivostok,	Primorakoa (a4.ma
80: Houthly List of B	seien Accessions, Vol 6 No 8 November 1953	

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# Olycogen content of the flesh of fish, crustaces, and mollusks. Soob.Prim.otd.VKHO no.3:159-164 '57. (MIRA 13:6)

1. Kafedra tekhnologii rybnykh produktov Dal'rybvtusa. (Glycogen)

#### KIZWETTER, I.V.

Chemical elements contained in the mineral substances of the meat of food fish, mollusks, and crustaces. Soob. Prim.otd.VKHO no.3:165-196 157. (MIRA 13:6)

1. Kafedra tekhnologii rybnykh produktov Dal'rybvtusa. (Pish as food) (Grustacea) (Hollusks)

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TEAPRO, A.S., ety. red.; GLIKMAN, S.A., doktor khim. nauk, prof., red.; GEMP, K.P., st. mauchn. sotr., red.; CRYUNER, V.S., doktor tekhm. nauk, red.; DANILOV, S.N., red.; YEVTUSHENKO, V.A., kand. khim. nauk, red.; ZINOVA, A.D., kand. biol. nauk, red.; KIZEVETTER, I.V., doktor tekhm. nauk, red.; KIREYEVA, M.S., kand. biol. nauk, red.; VULIKHMAN, M.A., red.; POTEKHIN, L.P., red.

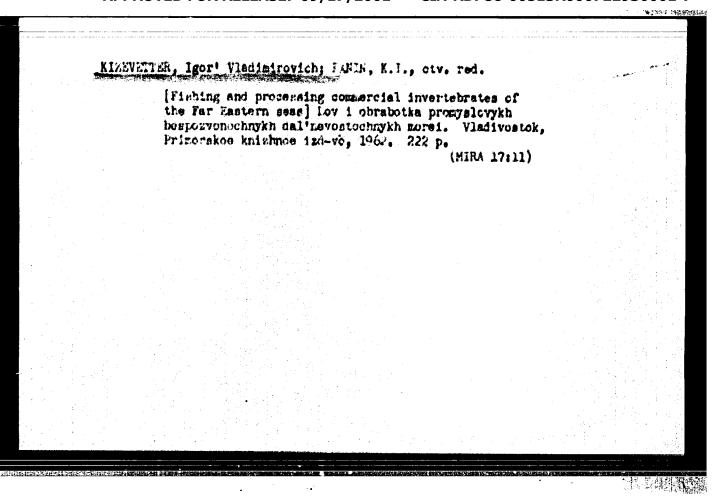
[Transactions of the First All-Union Conference of Workers in the Algal Industry of the U.S.S.R.] Trudy Pervogo Vae-soiuznogo nauchno-tekhnicheskogo soveshchaniia po vodo-roslevoi promyshlennosti SSSR. Arkhangel'sk, Arkhangel'skoe knishnoe isd-vo. Vol.1. 1962. 214 p. (MIRA 17:12)

1. Vsesoyuznoye soveshchaniye rabotnikov vodoroslavoy promyshlemosti SSSR. 1st. 2. Chlen-korrespondent AN SSSR (for Danilov). 3. Vsesoyuznyy nauchnyy institut morskogo rybnogo khozysystva i okeanografii (for Kireyeva). 4. Nachal'nik Upravleniya rybnoy promyshlemosti Arkhangel'skogo sovnarkhoza (for TSapko). 5. Saratovskiy gosudarstvennyy universiteta im. N.G.Chernyshevskogo (for Glikman).

OSIFOV, V.G.; KIZEVETTER IAV.; ZHURAVIEV, A.V.; SUCHKOV, A.I., spets. red.; KAMENSKAYA, Te.A., red.

[Tuna fish and swordfish of the Pacific and Indian Oceans]
Tuntsy i macheobraznye Tikhogo i Indiiskogo okeanov. Moskva, Izd-vo "Pishchevaia promyshlennost", "1964. 72 p.

(MIRA 17:8)



OSIPOV, V.G.; DCLBISH, V.S.; KIZEVETTER, I.V.; STEPANOV, I.N., red.

[Tuna fish] Tuntsy. Vladivostok, Tikhookeenskii in-t rybnogo khoz. i okeanografii, 1963. 68 p. (MIRA 17:4)

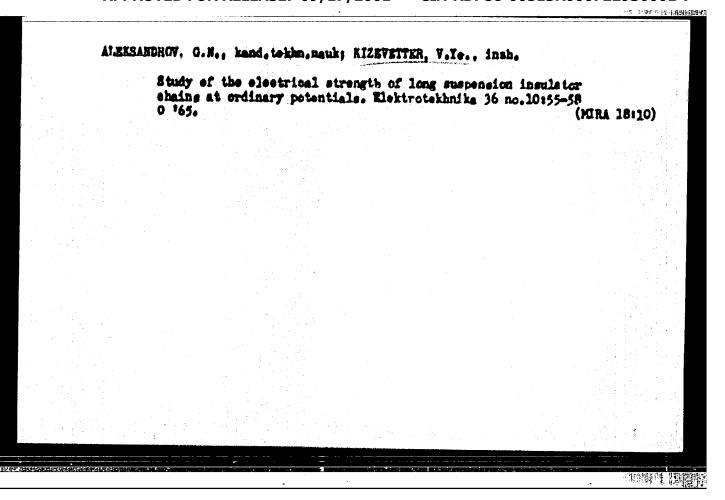
Development of a discharge along the conducting surface of the high-voltage insulation of electrical networks. Isv.vys.ucheb. sav.; energ. 5 no.5:20-27 My '62.

1. Leningradskiy politekhnicheskiy institut iseni M.I.Kalinina. Predstavlena kafedroy tekhniki vysetkih napryasheniy. (Electric insulators and insulation)

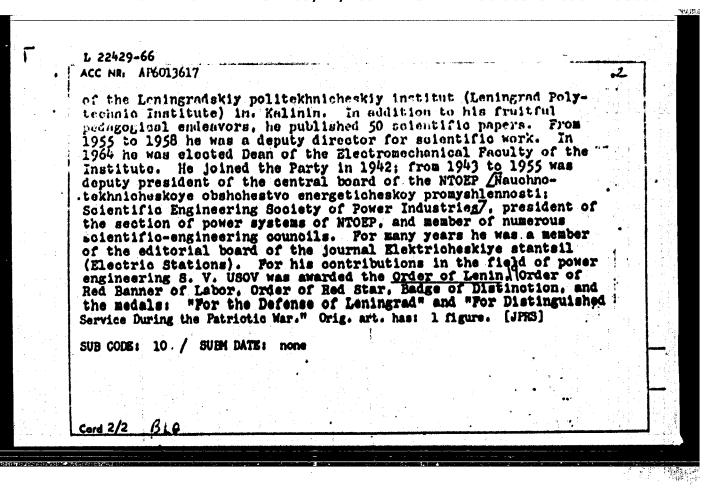
(Electric insulators and insulation)

ALEKSANDROV, G.N., kand.tekhn.nauk; KIZEVETTER, V.Te., innh.

Statistical studies of the electrical strength of contaminated insulation. Elek. sta. 35 no. 4:70-73 Ap '64. (MIRA 17:7)



1	AUTHOR: Vol'dek, A. I.; Domanskiy, B. I.; Drannikov, V. S.; Zalesskiy, A. M.; Kamenskiy, M. K.; Kantan, V. V.; Kashkarov, G. Ye.; Kizevetter, Ye. I.; Klimov, A. N.; Kovalev, N. N.; Kostenko, M. P.; Kostenko, M. V.; Nejman, L. R.; Faviov, G. M.; Ravdonik, V. S.; Rumin, Ya. L.; Sidorov, M. H.; Shramkov, Ye. G.	
1	ORG: none	
	TITLE: Professor Sergey Vasil'yevich Usov, on his 60th birthday	
	SOURCE: Elektrichestvo, no. 11, 1965, 86	
.	TOPIC TAGS: academic personnel, electric engineering personnel, electric power plant	Ē.
	ABSTRACT: The noted Soviet power specialist Professor S. V. USOV. who was 60 years old last September, graduated from the Leningradskij elektrotekhnicheskiy institut (Leningrad Electrotechnical Institute) in 1930 and then, for the next twenty years, worked for the Lenenergo power system of which he became chief engineer in 1939. During the blockade of Leningrad he was head of the group which in 45 days managed to connect the beleaguered city with the Volkhovskaya hydroelectric station across the frozen Ladoga lake. He also carried out the adaptation of the boilers of the Leningrad thermal power plant to consume the locally available fuel. In 1949	
	Cord 1/2 UDC: 621.311.1	



VOL'DEK, A.I.: DOMANSKIY, B.I.; DRANNIKOV, V.S.; ZALESSKIY, A.M.;
KAMENSKIY, M.K.; KANTAN, V.V.; KASHKAROV, G.Ye.; KIZEVETTER, Ye.I.;
KLIMOV, A.M.; KOVALEV, N.N.; KOSTENKO, M.P.; KOSTENKO, M.V.;
NEYMAN, L.R.; PAVLOV, G.M.; RAVDONIK, V.S.; RUZIN, Ya.L.;
SIDOROV, M.M.; SHRAMKOV, Ye.G.

Professor Sergei Vasil'evich Usov, 1905-; on his 60th birthday. Elektrichestvo no.11:86 N '65. (MIRA 18:11)

SEMCHINOV, Aleksey Matvoyevich; MIMEVETTER, Ye.N., dots., retsensent; KRASNOODRODTSEV, S.A., red.

[Current conductors of industrial enterprises] Tokoprovody promyshlennykh predpriintii. Hoskva, Energiia, 1964. 215 p. (MIRA 17:10)

TILLEVAL TER DIS

15-57-5-6133

Referetivnyy zhurnal, Geologiya, 1987, Mr B, Translation from:

p 65 (USSR)

AUTHOR:

Kizoval'ter, D. S.

TITLE:

Albitisation in the Precambrian Crystalline Schists of the Northern Caucasus (O yavlemiyakh al'bitisatsii v kristallicheskikh slantsakh dokembriya Severnogo

Kaykaza)

PERIODICAL: Tr. Mosk. geol-razved. in-ta, 1956, Vol 29, pp 124-155.

ABSTRACT:

The author has distinguished the Shaukol'skaya svita (series) among the complex Precambrian crystalline schists of the northern Caucasus. The rocks are characterised by strong albitisation, which has completely altered their outward appearance. The series is composed of coarse-grained light gray or dark gray schists, commonly containing porphyroblastic albite, which locally almost completely replaces the primary minerals of the schists. The porphyroblastic albite

Card 1/3

is present in all the varieties of schist in the series;

15-57-5-6133

Albitization in the Precambrian Crystalline Schists (Cont.)

chlorite-missovite-quarts, miscovite-quarts, chlorite-quarts, epidote-chlorite, miscovite-biotite, quarts-feldspar, actinolite-epidote, and others. The fine-crystalline mass between the albite porphyroblasts and within the crystals themselves is very similar in composition and texture to the matrix in the schists of the Precambrian Baksan series, but is distinguished by this modification of the primary dynamic metamorphism due to intense albitization. The albite in the porphyroblasts is very fresh, generally untwinned, and contains up to three percent of the anorthite molecule. The size of the porphyroblasts ranges widely. It is common to find sones of secondary shearing in the albitized schists, with the formation of stretched albite porphyroblasts. It is of interest that tourmaline is widely associated with the albite. Variation in the degree of albitization attests to a relationship between albite formation and the introduction of new material. The albitization consisted of metasomatic recrystallization of albite, chiefly from potassium mica and albite. The presence of albitized schists in the Precambrian rocks points to the extensive occurrence of magmatic activity in the central part of the northern slope of the Caucasus. The reason for Card 2/3

Albitization in the Precambrian Crystalline Schists (Cont.)
the restriction of albitization to definite series and for the presence of non-albitized schists at depth is not clear.

O. B. V.

AUTHORS: Kizeval'ter, D. S., Milanovskiy, Ye. Ye., Belov, A. A. Lomine, M. C.

20-119-1-39/52

New Data on the Age of the Lower Carboniferous Stratum in the Central Part of North Kavkaz (North Caucasus) (Novyye dannyye o vosraste nishnekamennougol'noy tolehohi v tsentral'noy

chasti Severnogo Kavkasa)

PER IODICAL:

TITLE:

Doklady Akademii Mauk SSSR,1958, Vol. 119, Nr 1, pp. 143-145

(vssr)

ABSTRACT:

As the Paleosoic deposits of the Great Kavkaz (Caucasus) are pala Contologically extremely little characterized, every new discovery of fossil organisms attracts attention. Data of this kind are especially rare for the Central Kavkas (Refs 1, 2, 7). Here the problem of the age of a thick mass of volcanogenic rocks, argillaceous schists and limestones which form the Peredovoy chain between the rivers Baksan and Teberda is especially interesting. For several reasons they are considered Lower Carboniferous. The 3 series separated by Robinson in the year 1947 (Ref 6) as well as

the above-mentioned age determination are fairly weakly found-

Card 1/3

of morth Caucasus)

ed. Still weaker is the subdivision of these deposits in stages by Robinson. Thus the data on the Lower Carboniferous age of this mass in the Central Kavkaz are virtuallyabsent. Numerous doubts remained especially with regard to the age of the volcanogenic mass, the more that under the conditions of a very complicated structure the continuity of the cross section of the 3 series was not determined. Kizeval'ter (Ref 3) determined the continuity of the cross section of the middle and upper series in the year 1946-47. He suggested considerable rearrangements in Robinson's scheme The age, however, still remained determined according to the stratigraphic position. In the year 1955 the deposits under review were studied by the Kavkas-expedition of the Moscow State University and the Moscow Geological-Prospecting Institute Kiseval'ter's data were confirmed and somewhat detailed, and some paleontological discoveries were made. Most interesting are finds of Rugosa-corals in the carbonate mass of the Carboniferous which occurs in the divide region of the Peredovoy chain (Baksan river basin), further of stromatopores and straight nautiloideas. Because

MIKOLAYEV, M.I.; BABAK, V.I.; KATS, YA.G.; KIKEL'YATER, D.S.; MIKITIMA, M.I.; PAYLINOY, V.M.; PAISOYA, B.K.; PEREPERIMA, S.M.; MYZHOYA, A.A.; SAPOZHMIKOY, D.G.

"Principles of structural geology and geological mapping" by A.B. Mikhailov. Reviewed by M.I. Mikhailov and others. Isv. vys. ucheb. sav.; geol. i rasv. 2 no.11:125-127 M 159.

(MIRA 13:6)

1. Moskovskiy geologorasvedochnyy institut im. S.Ordshonikidse. (Geology, Sturctural—Maps) (Mikhailov, A.B.)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722930001-7"

3(5)

307/11-59-5-2/14

AUTHORS:

Kizeval'ter, D.S. and Muratov H.V.

TITLE:

The Protracted Development of Geosynclinal Folded Structures of the Eastern Part of the Gornyy Krym. (Dlitel'noye razvitiye geominklinal'nykh sklad-chatykh struktur vostochnoy chasti Gornogo Kryma.)

PERIODICAL:

Investiya Akademii nauk SSSR, Seriya Scologiches-kaya, 1959, Nr 5, pp 16-34 (USSR)

ABSTRACT:

Academician N.S. Shatskiy, has proved the existence of a protracted development of folding structures of the Donets Basin, as did V.I. Popov, for Central Asia. Now the author shows, using the structures of the eastern part of the Crimean mountains as an example that a protracted fold formation is the basic process in folded structure formation. Phases of folding, showing non-conformity, are not connected with folding processes but are the result of either elevation or sinking of the earth's crust. The Sudak synclinorium is composed of a continuous

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The Protracted Development of Geosynclinal Polded Structures of the Eastern Part of the Gornyy Erym.

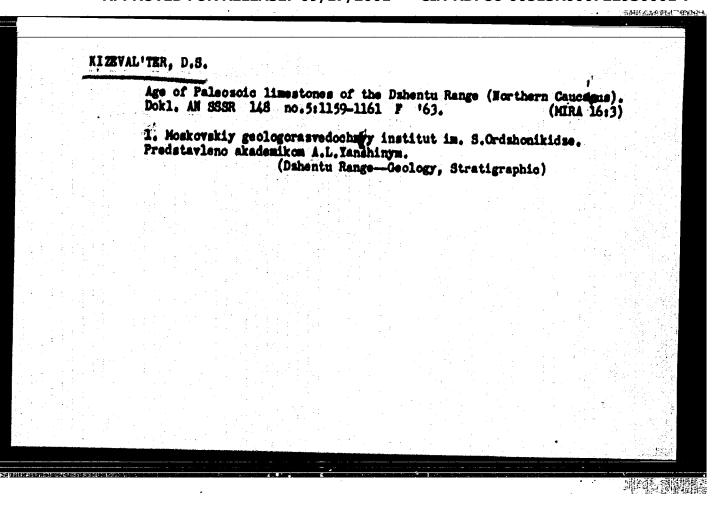
> complex of deposits stretching in time from the Bathonian up to the Tithonian stages. The East Crimean synclinorium is also composed of rock, a continuous folding formation of which stretched from the Kimmeridgian up to the Paleogene stage.
>
> A detailed study of all formations showes the protracted process of linear type folding, according to V.V. Belousov. The following geologists are cited by the author: V.Ye. Khain, G.I. Nenkov, I.V. Arkhipov, M.V. Mikhaylova, Ye.A. Uspenskaya, M.V. Muratov, V.D. Sokolov, N.A. Preobrazhenskiy, A.V. Peyve, and D.S. Kizel vator. There are 6 maps 6 profiles and 13 Soviet references. 6 profiles and 13 Soviet references.

ASSOCIATION:

SUBLITTED: Card 2/2

Moskovskiy geologorazvedochnyy institut. (The Moscow Geologic Prospecting Institute).

July 28 1958



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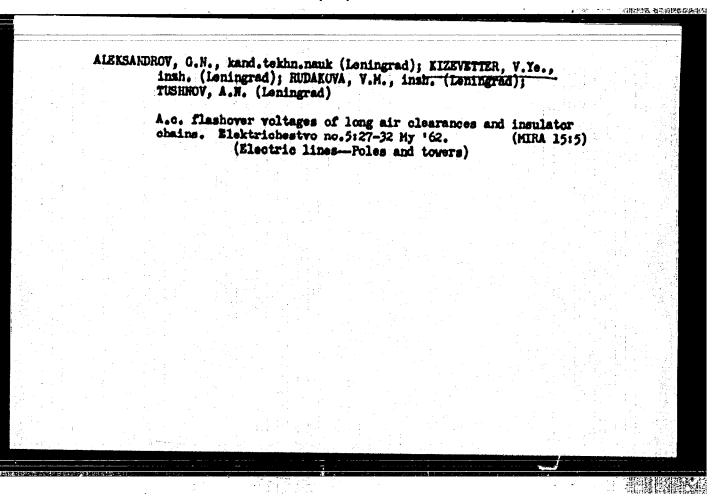
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 (Electric insulators and insulation)

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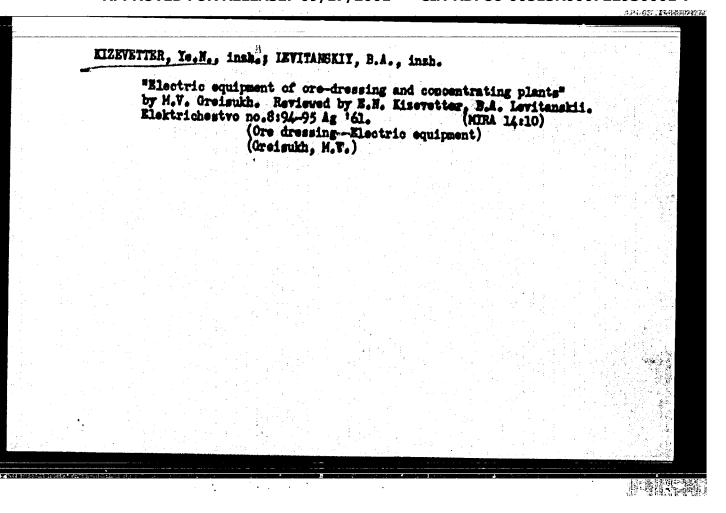
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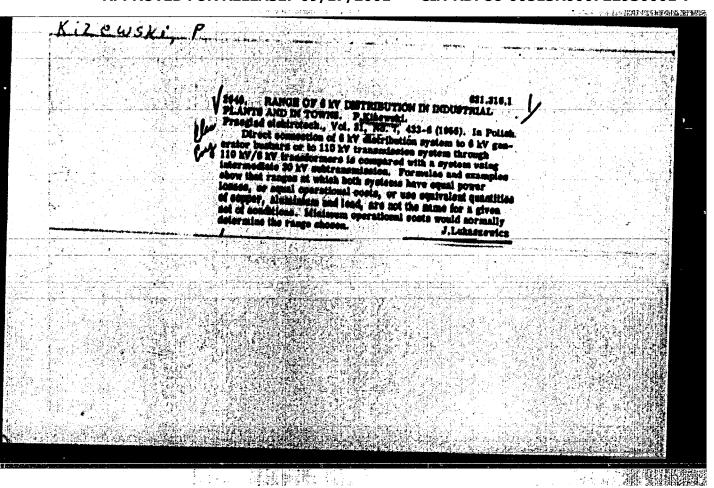
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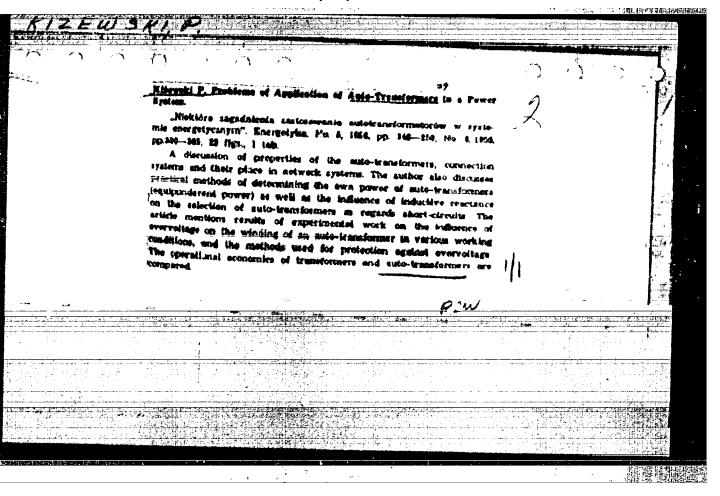
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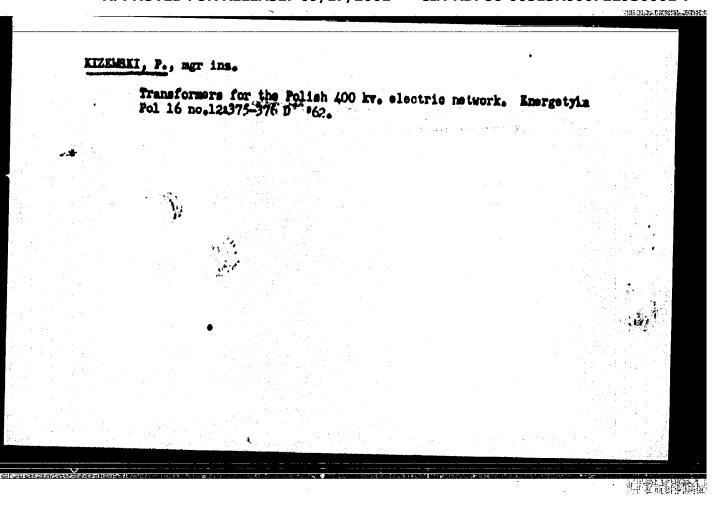
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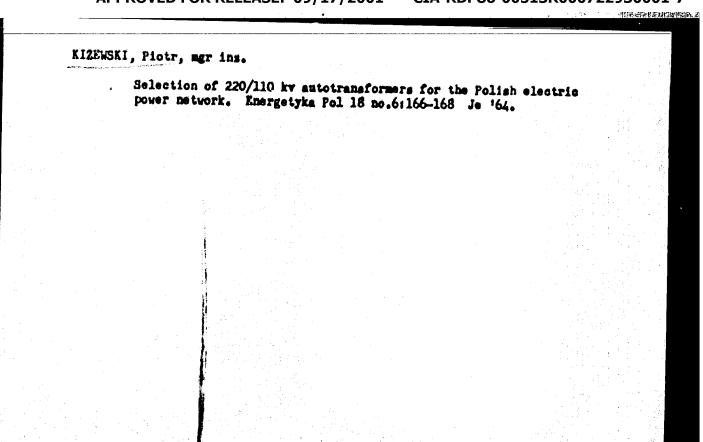


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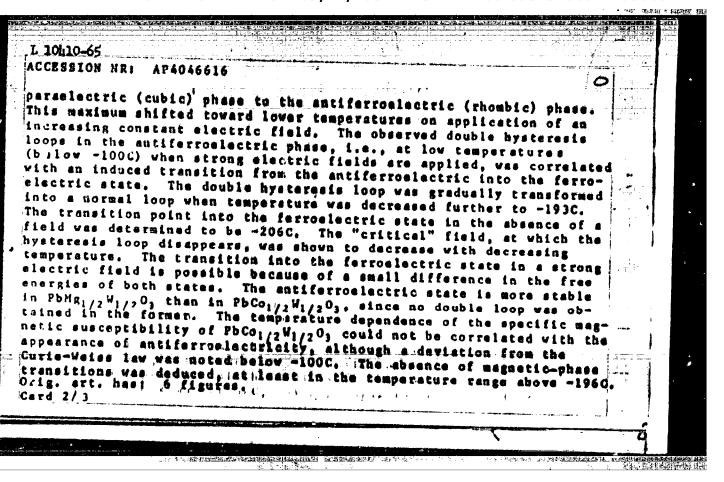
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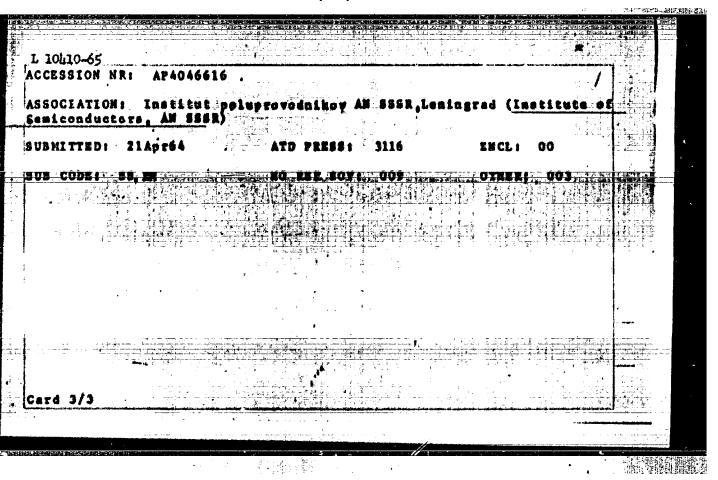
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	ACC NRs AP6000867 BOURDE CODES UR/0181/65/007/012/368#/3688  AUTHORS: Bokov V. A. Mylinikova I. Ye.; Kishayev S. A.;
	poluprovodnikov AN 888R)
	TITLE: Structure and magnetic properties of BiMnO, SOURCE: Pisiks tverdogo tels, v. 7, no. 12, 1965, 3695-3698
	TOPIC TAGS: blamuth compound, manganese compound, magnetic property, solution, ferroelectricity
	hiskers, using a technique described elsewhere (PTT v. 6, 1240, 1964), emperature at H = 9.5 kOs They found Biano, to be a regroungment
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0.15 G-cm <sup>2</sup> /g at 4.2K. In the case of II, the susceptibility has a maximum at 55K and no spontaneous magnetic moment was observed. It is concluded from the magnetic mea-	ORG: SSSR TITI SOUR TOPI anti ferr ABST 929, conne tric also magne appar Mosco at 91 0.15	Institute  E: Magnetic  CE: Fizika  C TAGS: les ferroelectri  commentism  RACT: This 1965) where ected with e at 68K. Th on BaNio.sW etic phase t ratus descri  com, 1959).  K. At this G-cm <sup>2</sup> /g at	tverdogo tela, v. 8, 1 d compound, barium concity, magnetic moment, mas, make auceptia is a continuation of a twas found that Photectric ordering, become present study was me on 503 (II) at liquid-hamiltions above room bed by N. M. Kreynes (In the case of I the material transitions above a spontane temperature a spontane temperature as a spontane to the second state of the second sta	888R. Leningrad  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	o.sWo.sOs 7-1959 ansition, fer ptibility, fer v. AN SSSR, schas two phase lectric at 30 tance at low of tures, since of The measurement institute of Pr ibility goes of ment is produce	roelectricity, rroungnetism, anti- er. fis. v. 29, transition points 5K and ferroelec- temperatures and the latter had no nts were made with nysics Problems, through a maximum ted, amounting to	
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BUT(1)/EPA(8)-2/EEC(6)/EEC(b)-2' Pt-10/P1-L L 10110-65 IJP(c)/AFWL/SSD/ AS(mp)-2/BARM(c)/ESD(ga)/ASD(a)-5/BARM(a)/ESD(t)/RARM(t) 00 ACCESSION MR: AP4046616 8/0181/64/006/010/3038/3044 Bokov, V. A. | Kisharayandand : Hyal'nikova, I. Ye.; Tutov AUTHOR: A. C. TITLE: magnetic properties of PbCo1/2W1/2O3 SOURCE: Pinika tverdoge tela, v. 6, no. 10, 1964, 3038-3044 TOPIC TAGS: single crystal growth, lead cobalt tungstate crystal, perovskite type structure, ferroelectric crystal, antiferroelectric crystal, paramagnetic crystal, phase transition ABSTRACT: 96 Co. U. /2 05 single crystals were grown from solution in molten PhO, and Their crystal structure, and electric and magnetic properties were determined and compared to those of PhHs1/1 W1/203 which is the only known stable antiferroelectric of the A. series of compounds. The x-ray powder patterns indicated a perov type structure with a rhombic unit cell at room temperatuble cell at 500, with ordered distribution of Co2 and W temperature dependence of the dielectric constant of large single crystals showed a maximum at 32C, corresponding to the transition from the



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AP\$02274 / FMT (a) /T/EMP(4) /EMP(b) LIP(c) SOURCE CODE: UR/0181/65/007/009/2668 **AUTHOR!** Bokov, Y. A. ORG; Institute of Beniconductors AN SESR, Laningrad (Institut poluprovednikov AN TITLE: Structure and magnetic properties of TiMnF; SOURCE: Pisika twerdogo tela, v. 7, no. 9, 1965, 2868-2871 TOPIC TAGS: thallium compound, mangamese compound, fluoride, x ray realysis, ABSTRACT: Data are given from x-pay and magnetic studies of a new compound, Time The specimens were produced by mixing saturated squeous solutions of thellium fluoride and manganese fluoride at 20°C. Cux and Crk were used for the x-rey studies with photographic and innisation recording. It was found that the new compound has a percovekite accurate. The lattice has a cubic cell with a parameter a = 4,250 \* 0.001 angstroms. The interplanar spacing and madiation intensities of TIMnF3 are tabulated for various Hiller indices. The magnetic fusceptibility of the compound is plotted as a function of temperature from 65 to 520°K. This curve shows a maximum at 85°K which is apparently due to a transition to the antiferromagnetic state. The authors are Cord 1/2

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